

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective Date: May 1, 2013

EC-10

*The following product has been evaluated for compliance with the wind loads specified in **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **May 2017**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Heartland Vinyl Siding and Soffits manufactured by:

Heartland Siding

301 Industrial Park Rd.

Booneville, Mississippi 38829

Telephone: 662-728-6261

will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

This product evaluation applies to the following Heartland products:

Horizontal Siding:

Autumnwood Double 4"	Ultra Double 4"
Autumnwood Double 5"	Ultra Double 4" Dutchlap
Autumnwood Double 4" Dutchlap	Ultra Double 5" Dutchlap
Autumnwood Double 5" Dutchlap	Traditional Single 8"
Arbor Glen Double 4.5"	
Arbor Glen Double 4.5" Dutchlap	
Heart-Tech Double 4"	
Heart-Tech Double 5"	
Heart-Tech Double 4" Dutchlap	
Heart-Tech Double 5" Dutchlap	
Cedar Peaks Double 4.5"	
Cedar Peaks Double 4.5" Dutchlap	
Cedar Peaks 6.5 Beaded	
CedarMax Double 6"	
CedarMax Triple 4" Dutchlap	
CedarMax Single 7"	

Vertical/Soffit Siding:

Board N Batten Single 7"
Beaded Soffit/Wain Scot Triple 1-3/4"
Heart-Tech Soffit Double 6"
Universal Soffit Triple 4"
Universal Soffit Double 5"
Wood Haven Soffit Triple 3-1/3"

INSTALLATION INSTRUCTIONS

General Installation Requirements:

All fasteners shall be corrosion resistant. If non-structural sheathing (foam or fiberboard) is used, then the length of the fasteners used to secure the vinyl siding to the framing shall be increased by the thickness of the non-structural sheathing. Nails shall be driven in the center of the nailing slot, leaving a minimum $\frac{1}{32}$ inch space between the nail head and the vinyl siding.

Apply the starter strip with fasteners spaced a maximum of 8 inches on center. The inside and outside corner posts, J-channels, and other accessories shall be nailed a maximum of $10\frac{1}{2}$ inches on center, starting at the top. Panel ends should be staggered from adjacent courses.

Soffits: Soffit material may be installed without a listing in this product evaluation report. If the soffit is perforated (the soffit must be perforated along its entire length) or if the overhang is 24 inches in width or less, then the soffit material may be installed in accordance with the manufacturer's installation instructions. All other soffit installations shall be in accordance with a listing in this product evaluation report.

Wind Resistant Assemblies:

Assembly No. 1

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -92 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Autumnwood (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap), Ultra (Double 4, Double 4 Dutchlap, Double 5 Dutchlap)

Assembly No. 2

Design pressure: -84 psf (Double 4.5)

Design Pressure: -89.6 psf (Single 8")

Minimum thickness: 0.042 inches

Fasteners: 1 $\frac{1}{2}$ " long roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Arbor Glen (Double 4.5, Double 4.5 Dutchlap) Traditional Single 8".

Assembly No. 3

Design pressure: -128 psf

Minimum thickness: 0.044 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following products are applicable: Heart-Tech (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap).

Assembly No. 4

Design pressure: -99 psf

Minimum thickness: 0.046 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following products are applicable: Cedar Peak (Double 4.5, Double 4.5 Dutchlap, and 6.5 Beaded).

Assembly No. 5

Design pressure: -144 psf

Minimum thickness: 0.046 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following products are applicable: Cedar Max (Double 6", Triple 4 Dutchlap, Single 7").

Assembly No. 6

Design pressure: -101 psf

Minimum thickness: 0.046

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following products are applicable: Board & Batten Single 7".

Installation: Wall studs shall be minimum Stud or No. 3 Douglas-Fir Larch. The studs shall be spaced a maximum of 16 inches on center. The vinyl siding shall be fastened to the wall studs with fasteners spaced a maximum of 16 inches on center. Panel ends should be staggered from adjacent courses.

Assembly No. 7

Vertical Siding/Soffit - Fasteners Penetrating into Sheathing

Design pressure: -47 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Universal Soffit, Heart-Tech Soffit, Beaded Soffit, Board N Batten, and Wood Haven Soffit.

Installation: Wall studs or framing shall be minimum SPF Stud or No. 3 grade lumber. The studs or framing shall be spaced a maximum of 24 inches on center. The vinyl siding or soffit shall be installed over minimum $\frac{1}{2}$ " thick structural sheathing. The vinyl siding or soffit shall be fastened to the sheathing with fasteners spaced a maximum of 12 inches on center. Panel ends should be staggered from adjacent courses.

Note: If the soffit material is perforated or if the overhang is 24 inches in width or less, then the soffit may be installed in accordance with the manufacturer's installation instructions.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).